

U.S. Department of Commerce, Patent and Trademark Office

Docket No.

Serial No.

APPM/3984

Unknown

LIST OF RELEVANT ART CITED BY APPLICANT

Applicant

(Use several sheets if necessary)

Ponnekanti, et al.

Filing Date

Group

Herewith

Unknown



U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>Ku</i>	AA	4,785,962	11/22/88	Toshima			
	AB	4,819,167	04/04/89	Cheng et al.			
	AC	5,120,019	06/09/92	Davis, Jr.			
	AD	5,133,284	07/28/92	Thomas et al.			
	AC	5,226,632	07/13/93	Tepman et al.			
	AF	5,275,303	01/04/94	Szalai			
	AG	5,302,209	04/12/94	Maeda et al.			
	AI	5,363,872	11/15/94	Lorimer			
	AI	5,494,494	02/27/96	Mizuno et al.			
	AI	5,505,779	04/09/96	Mizuno et al.			
	AK	5,747,880	05/05/98	Havemann, et al.			
<i>↓</i>	AI	5,838,121	01/17/98	Fairbairn, et al			

Foreign Patent Documents

								Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No	
<i>AM</i>									
<i>AN</i>									

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Ku</i>	AO	Z. Shiller and S. Dubowski, Robot Path Planning with Obstacles, Actuator, Gripper, and Payload Constraints, International Journal of Robotics Research, Vol. 8, No. 6, December 1989, pp. 3-18.
<i>↓</i>	AP	Z. Shiller and H.H. Lu, Computation of Path Constrained Time Optimal Motions With Dynamic Singularities, Transactions of the ASME, Journal of Dynamic Systems, Measurement, and Control, Vol. 114, March 1992, pp. 34-40.
<i>↓</i>	AQ	U.S. Patent Application Serial No. 08/751,524, Fairbairn et al., filed 11/18/96 <i>6/58510</i>

Examiner

Date Considered

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U.S. Department of Commerce, Patent and Trademark Office

Docket No.

Serial No.

APPM/1571

08/751,485

LIST OF RELEVANT ART CITED BY APPLICANT

Applicant

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MAYDAN et al.

Filing Date

Group

11/18/96

Unknown

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>Ku</i>	AA	5,844,195	12/01/98	Fairbairn et al.			
	AB	5,847,443	12/08/98	Cho et al.			
	AI	5,855,681	01/05/99	Maydan et al.			
	AD	5,858,457	01/12/99	Brinker et al.			
	AI	5,902,088	05/11/99	Fairbairn et al.			
	AI	5,905,302	05/18/99	Lane et al.			
	AG	5,909,994	06/08/99	Blum et al.			
	AH	5,911,834	06/15/99	Fairbairn et al.			
	AI	5,961,269	10/05/99	Kroeker			
	AJ						
	AK						

Foreign Patent Documents

Translation							
		Document Number	Date	Country	Class	Subclass	Yes No
	AI						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Ku</i>	AR	U.S. Patent Application Serial No. 08/752,463, Altwood, et al., filed 11/18/96	6082000
	AS	U.S. Patent Application Serial No. 08/749,614, Sunder, filed 11/18/96	6704318
	AT	U.S. Patent Application Serial No. 08/749,613, Fairbairn, et al., filed 11/18/96	6077151

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	09/502,126
Filing Date	February 10, 2000
First Named Inventor	Hari Ponnekanti et al.
Group Art Unit	1762
Examiner Name	Bret Chen
Attorney Docket Number	016301-040300US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ku	0001	4,315,705		Flint	02/16/1982	
	0002	4,518,848		Weber	05/21/1985	
	0003	6,051,101		Ohtani et al.	04/18/2000	
	0004	5,788,868		Itaba et al.	08/04/1998	
	0005	5,730,574		Adachi et al.	03/24/1998	
	0006	5,571,325		Ueyama et al.	11/05/1996	
	0007	5,989,632		Sanada et al.	11/23/1999	
	0008	5,985,357		Sanada	11/16/1999	
	0009	5,976,620		Sanada et al.	11/02/1999	
	0010	5,846,327		Kawamoto et al.	12/08/1998	
	0011	5,843,527		Sanada	12/01/1998	
	0012	5,762,709		Sugimoto et al.	06/09/1998	
	0013	6,080,969		Goto et al.	06/27/2000	
	0014	6,040,120		Matsushita et al.	03/21/2000	
	0015	5,927,077		Hisai et al.	07/27/1999	
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	0017	5,167,837		Snodgrass et al.	12/01/1992	
	0018	5,942,037		Wagener et al.	08/24/1999	
	0019	6,072,163		Armstrong et al.	06/06/2000	
	0020	6,015,503		Butterbaugh et al.	01/18/2000	
	0021	4,004,130		Blackwood	01/18/1977	
	0022	5,706,890		Sloan et al.	01/13/1998	
	0023	5,431,700		Sloan	07/11/1995	
	0024	5,935,768		Biche et al.	08/10/1999	
	0025	5,766,824		Batchelder et al.	06/16/1998	
	0026	5,651,823		Parodi et al.	07/29/1997	
	0027	5,553,994		Biche et al.	09/10/1996	
	0028	5,427,820		Biche et al.	06/27/1995	
	0029	5,392,989		Hurtig	02/28/1995	
	0030	5,885,661		Batchelder	03/23/1999	
	0031	5,798,140		Parodi et al.	08/25/1998	
	0032	5,472,502		Batchelder	12/05/1995	
	0033	5,289,222		Hurtig	02/22/1994	

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Examiner Signature	<i>Ku</i>	Date Considered	8/19/02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

Complete if Known

Application Number	09/502,126
Filing Date	February 10, 2000
First Named Inventor	
Group Art Unit	1762
Examiner Name	Bret Chen
Attorney Docket Number	016301-040300US



U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<u>W</u>	0034	5,810,993		Keller et al.	09/22/1998	
	0035	4,765,815		Danzuka et al.	08/23/1988	
	0036	5,281,320		Turner et al.	01/25/1994	
	0037	6,110,280		Ebert	08/29/2000	
	0038	6,177,133	B1	Gurer et al.	01/23/2001	
	0039	4,507,078		Tam et al.	03/26/1985	
	0040	6,091,056		Kannan et al.	07/18/2000	
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	0042	6,098,843		Soberanis et al.	08/08/2000	
	0043	6,005,225		Kowalski et al.	12/21/1999	
	0044	5,954,878		Mandal et al.	09/21/1999	
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	0046	5,725,663		Parrette	03/10/1998	
	0047	5,611,886		Bachman et al.	03/18/1997	
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	0050	4,863,547		Shidahara et al.	09/05/1989	
	0051	4,416,213		Sakiya	11/22/1983	
	0052	5,591,262		Sago et al.	01/07/1997	
	0053	4,899,685		Kawakami	02/13/1990	
	0054	6,063,190		Hasebe et al.	05/16/2000	
	0055	6,059,880		Kitano et al.	05/09/2000	
	0056	6,042,623		Edwards	03/28/2000	
	0057	5,803,970		Tateyama et al.	09/08/1998	
	0058	5,695,817		Tateyama et al.	12/09/1997	
	0059	5,665,200		Fujimoto et al.	09/09/1997	
	0060	5,356,476		Foster et al.	10/18/1994	
	0061	6,054,181		Nanbu et al.	04/25/2000	
	0062	5,725,664		Nanbu et al.	03/10/1998	
	0063	5,565,034		Nanbu et al.	10/15/1996	
	0064	5,937,223		Akimoto et al.	08/10/1999	
	0065	5,772,764		Akimoto	06/30/1998	
	0066	5,587,127		Carlson	12/24/1996	
<u>✓</u>	0067	5,312,487		Akimoto et al.	05/17/1994	

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Signature

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Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 4

Complete if Known

Application Number	09/502,126
Filing Date	February 10, 2000
First Named Inventor	
Group Art Unit	1762
Examiner Name	Bret Chen
Attorney Docket Number	016301-040300US

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
WV	0068	5,250,114		Konishi et al.	10/05/1993	
	0069	5,151,871		Matsumura et al.	09/29/1992	
	0070	4,277,525		Nakayama et al.	07/07/1981	
	0071	5,785,759		Sago et al.	07/28/1998	
	0072	5,660,634		Fujiyama et al.	08/26/1997	
	0073	5,707,687		Ueda et al.	01/13/1998	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	0074						
	0076						

Examiner Signature	<i>Rudolf</i>	Date Considered	8/19/02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 4

Complete If Known

Application Number	09/502,126
Filing Date	February 10, 2000
First Named inventor	
Group Art Unit	1762
Examiner Name	Bret Chen
Attorney Docket Number	016301-040300US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Examiner Signature	<i>Kuo</i>	Date Considered	08/19/08
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